

LEONOV, YE.N.; L'VOV, V.I.; AYZENSHTEYN, A.R.

Methods for testing ventilation fans. Izv.TPI 137:59.63
'65. (MIRA 19:1)

6 00545-86 EWT(d/SS)-2/ET(E)/TWP/W/REG(R)-EWT(C)
ACC NR: AR6020060 (N) SOURCE CODE: UR/0124/66/000/001/A009/A009
AUTHOR: Pavlov, I. V.; Sokolov, Yu. N.
TITLE: Effect of vibration of the base on the operating accuracy of
gyroscopes ²¹⁰
SOURCE: Ref zh. Mekhanika, Abs. 1A55
REF SOURCE: Tr. Leningr. in-t aviats. priborostr., vyp. 44, 1964,
76-82
TOPIC TAGS: gyroscope, vibration analysis
ABSTRACT: An analysis is presented of the effect of vibration of the
base on the operating accuracy of the performance of a gyroscope with
three degrees of freedom. The nature of the vibration of the base is
represented in the form of a standing wave. [Translation of abstract]
[KP]
SUB CODE: 17/20/ SUBM DATE: none/

Card 1/1 *all*

SOKOLOV, Yu.N.

Experimental study of a pair of counter rotational axial
wheels. Izv.TPI 137:64-78 '65.

(MIRA 19:1)

SOLOVYOV, Val. M.

"Data on the Study of Chronic Emphysema of the Lungs and Pulmonary Insufficiency." Sub. 12 Jan 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sub. No. 480, 2 May 55

SOKOLOV, Yu. N.

Unilateral disorders of pulmonary ventilation and its diagnosis. Klin.
med., Moskva 30 no.8:26-32 Aug 1952. (GIML 23:2)

1. Professor. 2. Of the Central Scientific-Research Institute of
Roentgenology and Radiology imeni V. M. Molotov, Moscow.

SOKOLOV, Yu.N., kand. tekhn. nauk

Some special features related to the use of the system of
measurement units in hydrogasdynamics. Izv. vys. ucheb.
zav.; energ. 7 no.6:115-119 Je '64 (MIRA 17:8)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiiy
institut imeni Kirova. Predstavlena kafedroy gidravliki i
gidromashin.

ZAYTSEVA, I.N.; SOKOLOV, Yu.N., professor, zaveduyushchiy; TALYZIN, F.F., professor, chlen-korrespondent Akademii meditsinskikh nauk SSSR, direktor.

Characteristics in the development of metastases of hypernephroma. Vest. rent.i rad. no.3:81-83 My-Je '53. (MLRA 6:8)

1. Kafedra rentgenologii I Moskovskogo ordena Lenina meditsinskogo instituta (for Zaytseva and Sokolov). 2. I Moskovskiy ordena Lenina meditsinskiy institut (for Talyzin). 3. Akademiya meditsinskikh nauk SSSR (for Talyzin). (Kidneys--Tumors)

SOKOLOV, Yu.N., professor (Moskva)

Certain problems in roentgenodiagnosis of pulmonary cancer. Vest.
rent. i rad. no.4:11-20 J1-Ag '54. (MLRA 7:10)
(LUNGS, neoplasms,
diag., x-ray)

SOKOLOV, Yu.N., professor; GOVZMAN, S.G.

Excessive development of the gastric mucosa. Vest.rent. i rad.
no.2:45-49 Mr-Apr '55. (MLRA 8:5)

1. Iz kafedry rentgenologii (zav.--prof. Yu.N.Sokolov) Tsentral'nogo
instituta usovershenstvovaniya vrachey (dir. V.P.Lebeleva) i Moskov-
skoy oblastnoy rentgenovskoy stantsii (zav. G.Ya.Shvabauer).

(STOMACH, diseases,
mucosal hypertrophy)
(HYPERTROPHY AND HYPERPLASIA,
stomach mucosa)

SOKOLOV, Yu.N., professor

One variant in the clinical and rontgenological classification of
pulmonary cancer. Sov.med. 20 no.9:45-56 S '56. (MLBA 9:11)

1. Iz 2-y kafedry rentgenologii i radiologii (zav. - prof. Yu.N.
Sokolov) Tsentral'nogo instituta usovershenstvovaniya vrachey
(dir. V.P.Lebedeva)
(LUNGS NEOPLASMS, diag.
classif.)

SOKOLOV, Yu.N., professor (Moskva)

Sixty years of roentgenologic development in Russia. Vest.rent. i
rad. 31 no.1:7-20 Ja-F '56. (MLRA 9:7)
(ROENTGENOLOGY, hist.
in Russia)

SOKOLOV, Yu.N., professor

Changes in transparency of lung segments during respiration. Vest.
rent. i rad. 31 no.6:20-27 N-D '56. (MLRA 10:2)

1. Iz 2-y kafedry rentgenologii (zav. kafedroy - prof. Yu.N.Sokolov)
TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P.
Lebedeva)

(LUNGS, radiography
in resp., changes in transparency)

SOKOLOV, Yu.N., prof.

Remarks on the article by I.S.Petrova on the "Case of erroneous
diagnosis of poliposis of the stomach and duodenal bulb." Vest.
rent. i rad. 32 no.4:75-76 J1-Ag '57. (MIRA 10:11)
(STOMACH--DISEASES) (DUODENUM--DISEASES)
(DIAGNOSIS, RADIOSCOPIC)

SOKOLOV, Yu.N., prof. SHNIGER, N.U.

Some remarks on the X-ray diagnosis of peptic ulcer. Sov.med.
22 no.9:75-82 S'58 (MIRA 11:11)

1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav. - prof.
Yu.N. Sokolov) Tsentral'nogo instituta usovershenstvovaniya vrachey
(dir. V.P. Lebedeva).
(PEPTIC ULCER, diag.
x-ray (Rus))

SOKOLOV, Yu. N., prof.; BENTSIAKOVA, V.M., dots.; ROZENSHTRAUKH, L.S., dots.

Seventh All-Union Congress of Roentgenologists and Radiologists.
Vest. rent. i rad. 34 no.1:82-90 Ja-P '59. (MIRA 12:3)
(RADIOLOGY, MEDICAL--CONGRESSES)

SOKOLOV, Yu.N., prof. (Moskva, Volokolamskoye shosse, d.5, kv. 218)

Certain roentgenological signs of the earliest forms of cancer of the stomach. Vest.rent. i rad. 34 no.4:3-11 JI-Ag '59. (MIRA 12:12)

1. Iz 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. Yu.N. Sokolov) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D. Kovrigina).
(STOMACH neoplasms)

ROZENSHTRAUCKH, L.S.; SOKOLOV, Yu.N.; FRIDKIN, V.Ya. (Moskva)

On a unified nomenclature for the bronchial and vascular systems
of the lungs. Vest.rent.i rad. 34 no.6:3-11 N-D '59.

(LUNGS anat. & histol.)

(MIRA 13:5)

SOKOLOV, Yu.N.; PETROV, V.I.

Problem of the diagnosis of gastric cancer. Vop. onk. 6 no. 11:3-11
N '60. (MIRA 14:1)

(STOMACH—CANCER)

ZEDGENIDZE, G.A., prof. otv. red.; BENTSIAKOVA, V.M., dotsent, red.; VIKTURINA, V.P., kand. med. nauk, red.; ZUBCHUK, N.V., kand. med. nauk, red.; LAGUNOVA, I.G., prof., red.; POBEDINSKIY, M.N., prof., red.; REYNBERG, S.A., zasluzhennyy dsyatel' nauki, prof., red.; ROZENSHTRAUKH, L.S., doktor med. nauk, red.; ROKHLIN, D.G., prof., red.; SOKOLOV, Yu.N., prof., red.; FANARDZHIAN, V.A., red.; SHEKHTER, I.A., prof., red.; SHTERN, B.M., prof., red.; SHTERN, V.N., prof., red.; ZUYEVA, N.K., tekhn. red.

[Transactions of the Seventh All-Union Congress of Roentgenologists and Radiologists] Trudy Vsesoiuznogo s"ezda rentgenologov i radiologov, 7th, Saratov, 1958. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1961. 317 p. (MIRA 14:7)

1. Vsesoyuznyy s"yezd rentgenologov i radiologov, 7th, Saratov, 1958.
2. Deystvitel'nyy chlen AMN SSSR (for Zedgenidze).
3. Chleny-korrespondenty AMN SSSR (for Rokhlin, Fanardzhyan).
4. Akademiya nauk Armysanskoy SSR (for Fanardzhyan)

(RADIOLOGY, MEDICAL)

SOKOLOV, Yu.N., prof. (Moskva, Volokolamskoye shosse, d.1.kv.218);
MANEVICH, V.L., kand.med.nauk; ZAGNEDEKOVSKAYA, E.M.

Excessive development of the folds of the mucosa of the stomach.
Vest. rent. i rad. 36 no.4:17-30 J1-Ag '61. (MIRA 15:2)

1. Iz 2-y kafedry rentgenologii (zav. - prof. Yu.N.Sokolov) i
2-y kafedry khirurgii (zav. - prof. B.K.Osipov) Tsentral'nogo
instituta usovershenstvovaniya vrachey (dir. M.D.Kovrigina) na
baze Moskovskoy gorodskoy bol'nitsy No.50 (glavnyy vrach N.P.Brusova).
(STOMACH ABNORMALITIES AND DEFORMITIES)

SOKOLOV, Yu.N., prof.

"X-ray diagnosis of the gastrointestinal canal" by R.Prevot and
M.Lassrich. Reviewed by IU.N.Sokolov. Vest. rent. i rad. 36
no.5:72-74 S-O '61. (MIRA 15:1)
(ALIMENTARY CANAL RADIOGRAPHY) (PREVOT, R.)
(LASSRICH, M.)

SOKOLOV, Yu.N., prof.; GUREVICH, L.A.; STETSYUK. A.G.

Some observations in cineangiography of the lungs in connection with the diagnosis of cancer; report no.1. Vestn. rentgen. i radiol. 38 no.4:3-13 J1-Ag'63 (MIRA 17:2)

1. Iz 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. Yu.N.Sokolov) Tsentral'nogo instituta usovershenstvovaniya vrachey.

SOKOLOV, Yu.N., prof.

Information on the work of the periodical "Vestnik rentgenologii
i radiologii" for 1962. Vestn. rentgen. i radiol. 38 no.4:79-82
Jl-Ag'63 (MIRA 17:2)

1. Redaktor zhurnala "Vestnik rentgenologii i radiologii".

SOKOLOV, Yu.N. (Moskva, Molokotamskoye shosse, d.1, kv.-13); ROMANOV VASKAYA,
A.I. (Moskva, tsentr, ulitsa Kirova, d.13, kv.30;

X-ray diagnosis of benign tumors and cysts of the diaphragm.
Vop. onk. 10 no.2:3-8 '54. (Index 12:7)

1. Iz II kafedry rentgenologii i meditsinskoy radiologii (zav.-
prof. Yu.N. Sokolov) Tsentral'nogo instituta usovershenstvovaniya
vrachey (dir.- M.D. Kovrigina) i rentgenologicheskogo otdeleniya
(zav.- G.A. Kotash) Gorodskoy bol'nitsy No.50 (glavnyy vrach-M.G.
Brusova.)

SOKOLOV, Yu.N.; VLASOV, P.V.

Normal relief of the gastric mucosa on the X-ray image. Vest.
rent. i rad. 39 no.5:15-23 S-O '64.

(MIRA 18:3)

1. 2-ya kafedra rentgenologii (zav. - prof. Yu.N. Soko'ov) TSen-
tral'nogo instituta usovershenstvovaniya vrachey, Moskva.

SOLOV'YU, YU.N.; BRYZGALOVA, L.A.; SILVERMAN, A.G.

Further cineradiogenographic studies in pulmonary cancer. Vest.
rent. i rad. 39 no.6:20-26 M-J '64. (MIRA 18:6)

1. 2-ya kafedra rentgenologii i meditsinskoy radiologii (zav. -
prof. Yu.N.Sokolov) Tsentral'nogo instituta usovershenstvovaniya
vrachey, Moskva.

SOKOLOV, Yu.N. (Moskva)

Main problems in the X-ray diagnosis of stomach cancer.

Vest. AN SSSR 20 no.12:26-37 '65. (MIRA 19:1)

SOKOLOV, Yu.N.

Temperature of the supporting oil layer of hydrodynamic multikey bearings. Stan. 1 instr. 35 no.12:22-26 D '64
(MIRA 18:2)

SOKOLOV, Yu.N., kand.tekhn.nauk dots.

Sectional fans with opposing rotation of the working
wheels. Izv.vys.ucheb.zav.; energ. 2 no.6:97-101
Je '59. (MIRA 13:2)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskii
institut imeni S.M.Kirova. Predstavlena kafedroy gidrav-
liki i gidromashin.
(Fans, Electric)

SOKOLOV, Yu.N., doktor med.nauk, prof.

Training of cadres of radiologists. Vest. rent. i rad. 37
no.1:73-77 Ja-F '62. (MIRA 15:3)

1. Glavnyy rentgenolog Ministerstva zdavookhraneniya SSSR.
(RADIOLOGISTS--EDUCATION AND TRAINING)

BORISOV, S.G.; KARPOV, L.N.; SOKOLOV, Yu.N.; KHORIN, A.D.; VAGNER, A.A., nauchn. red.; RUNOVA, A.P., nauchn. red.; MARKOV, L.A., red.; KOGAN, F.L., tekhn. red.

[Catalog-handbook "Motor vehicles of the U.S.S.R.;" motor vehicles with special-purpose bodies and trailers] Katalog-spravochnik "Avtomobili SSSR"; avtomobili so spetsializirovannyimi kuzovami i pritsepnoi podvizhnoi sostav. Moskva, Pt.2. 1963. 349 p. (MIRA 16:8)

1. TSentral'nyy institut nauchno-tekhnicheskoy informatsii po avtomatizatsii i mashinostroyeniyu.
(Motor vehicles--Catalogs) (Tractor trains--Catalogs)
(Truck trailers--Catalogs)

SOKOLOV, Yu.P., inst.

Determination of the water-flow-in factor in single-pipe heating systems with closing sensors in variable operation.
Izv. vys. ucheb. zav.; energ. 7 no.6:105-108 Ja '64

(MIRA 1783)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena kafedroy teploenergopobavleniya promyshlennyykh predpriyatiy.

TROSHIN, P.V., kand.tekhn.nauk, dotsent; FEDOTOV, M.P., inzh.; SOKOLOV, Yu.P., inzh.; BORISOV, B.G., kand.tekhn.nauk; MALKOV, Yu.A., inzh.; SOROKIN, A.F., doktor tekhn.nauk, prof. [deceased]; ZUYEV, A.I., kand.tekhn.nauk; KOPELOV, Yu.K., kand.tekhn.nauk; YERSHOV, Yu.G., inzh.; BROVKIN, L.A., kand.tekhn.nauk, dotsent; POTOSKUYEV, M.P., kand.tekhn.nauk, dotsent; PYATACHKOV, B.I., kand.tekhn.nauk, dotsent; ROMANOVA, T.M., kand.tekhn.nauk, dotsent

Abstracts of completed research works contracted for the national economy. Sbor. nauch.trud. EI no.10 ~~107-117~~ '62.

(MIRA 16:9)

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KUPRIYANOV, Dmitriy Fedorovich; METAL'NIKOV, Georgiy Fedorovich;
SOKOLOV, Yu. P., inzh., retsenzent; KHOKHRYAKOV, G.B.,
retsenzent; SMIRNOV, S.A., kand. tekhn. nauk, dots., nauchn.
red.; ALEKSANDROVA, N.B., red. izd-va; VOLCHOK, K.M., tekhn.
red. .

[Fundamentals of technical mechanics] Osnovy tekhnicheskoi me-
khaniki. Leningrad, Izd-vo "Rechnoi transport," 1962. 387 p.
(MIRA 15:9)

(Mechanics, Analytic) (Mechanical engineering)
(Strength of materials)

SOKOLOV, Ye.Ya., doktor tekhn. nauk, prof.; SOKOLOV, Yu.P., inzh.

Dimensionless method for the thermal calculation of the variable mode of operation of a system of series connected heating devices. Izv. vys. ucheb. zav.; energ. 6 no.11:81-88 N'63. (MIRA 17:2)

1. Moskovskiy ordena Lenina energeticheskiy institut.

SOKOLOV, Yu.P., aspirant

Thermal calculation of the variable operation of single-pipe heating
systems. Trudy MEI no.48:107-118 '63. (MIRA 17:6)

3-58-6-10/34

AUTHOR: Grot, L.Yu. and Sokolov, Yu.S., Candidates of Economic Sciences

TITLE: More Qualified Printed Lectures on Political Economy (Bol'she kvalifitsirovannykh pechatnykh lektsiy po politicheskoy ekonomii)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, Nr 6, p 42-50 (USSR)

ABSTRACT: The printed aids issued periodically by the Upravleniye prepodavaniya obshchestvennykh nauk Ministerstva vysshego-obrazovaniya SSSR (Administration of Social Science Teaching of the USSR Ministry of Higher Education) are intended to help vuz instructors raise the ideological and theoretical level of lectures on the economic theory of Marxism-Leninism. In 1957, the administration issued 7 such aids on political economy. The author gives a review of these instructional aids starting with the work of V.A. Zhamin, "The Reorganization of Agriculture in the Chinese People's Republic", and those of I.K. Vereshchagin, "The Operation of the Basic Economic Law of Capitalism in the Epoch of Imperialism" and "The Concentration of Production and the Supremacy of Monopolies", which he considers the best ones. "The Reproduction of Public Capital" is the

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More Qualified Printed Lectures on Political Economy

3-58-6-10/34

title of M.T. Nagavitsyn's work and the printed lecture of G.S. Kravchenko bears the name "Capital and Additional Costs", and is intended for the course "The Capitalistic Method of Production". Two booklets are dedicated to the problems of the transitional period from capitalism to socialism: V.S. Chelnokov's "Transitional Period from Capitalism to Socialism" and R.Ya. Akopov's "Transitional Period from Capitalism to Socialism".

There are 6 Soviet references.

ASSOCIATION: Moskovskiy tekhnologicheskoy institut legkoy promyshlennosti
(Moscow Technological Institute of Light Industry)

Card 2/2

LISICHKINA, S.M., obshchiy red.; TOMASHPOL'SKIY, L.M., obshchiy red.;
CHUTKERASHVILI, Ye.V., obshchiy red.; KARYAGIN, I.D., red.;
KIR'YANOVA, Z.V., red.; MATVEYEV, P.V., red.; MOTORIN, A.I., red.;
POPOV, I.V., red.; POPOV, N.N., red.; PROSKURYAKOV, A.V., red.;
SOKOLOV, Yu.S., red.; STUPOV, I.D., red.; BELYAVSKIY, A.M., red.;
GRAZHUL', V.S., red.; DANILOV, N.N., red.; RAKHMANINOV, G.I., red.;
SHEVCHENKO, G.A., tekhn.red.

[Development of the national economy of the German Democratic
Republic] Razvitie narodnogo khoziaistva Germanskoi Demokrati-
cheskoi Respubliki. Moskva, Proizvodstvenno-izdatel'skii kombi-
nat VINITI, 1959. 906 p. (MIRA 13:4)

1. Akademiya nauk SSSR. Institut nauchnoy informatsii.
(Germany, East--Economic conditions)

PROSKURYAKOV, A.V., kand.tekhn.nauk, red.; POPOV, I.V., kand.ekonom.nauk, red.; TOMASHPOL'SKIY, L.M., kand.ekonom.nauk, red.; GOLOVINSKIY, G.P., kand.tekhn.nauk, red.; SOKOLOV, Yu.S., kand.ekonom.nauk, red.; CHUTKERASHVILI, Ye.V., kand.ekonom.nauk, red.; BERMEN'YEVA, S.I., red.; ZAKHAROVA, L.S., red.; KOLCHINA, V.I., red.; POSPELOV, Yu.S., red.; SMERTINA, N.I., red.; SOBOLEVA, N.M., tekhn.red.

[Great Britain; economic survey] Velikobritaniia; ekonomicheskii obzor. Moskva, 1960. 658 p. (MIRA 13:5)

1. Moscow. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii.

(Great Britain--Economic conditions)

SOKOLOV, Yu.S., inzh.

Strengthening girders using thermal tightening of the
reinforcement. Prom. stroi. 41 no.2:52-53 F '63. (MIRA 16:3)
(Beams and girders—Maintenance and repair)

SOKOLOV, Yu.S., kand. ekonom. nauk, dotsent

Socialization of the means of production in the light industry
of the European countries of the People's Democracies. Nauch.
trudy MTILP no.26:3-26 '62. (MIRA 17:5)

1. Kafedra politicheskoy ekonomii Moskovskogo tekhnologicheskogo
instituta legkoy promyshlennosti.

SOKOLOV, Yu.V.; POPOV, V.G., red.

[Ways of developing the manufacture of cellular aggregates in the Northern Caucasus] Puti razvitiia proizvodstva poristyykh zapolnitelei na Severnom Kavkaze. Rostov-na-Donu, Rostovskii Promstroiniiproekt, 1964. 24 p. (MIRA 18:6)

1. Rostovskiy institut po proyektirovaniyu promyshlennogo stroitel'stva (for Sokolov).

BOLSHTYANSKIY, M.P.; LINTSER, A.V.; SOKOLOV, Yu.V.

Experimental study of stresses in a two-layer granite foundation.
Izv. SO AN SSSR no.10 Ser. tekhn. nauk no.3:136-139 '63.

(MIRA 17:11)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya AN
SSSR, Novosibirsk.

ZHITKOV, D.I., inzh.-polkovnik; SOKOLOV, Yu.V., inzh.-mayor

Truck-mounted repair and control stations in a tactical drill.
Vest.protivovozd.obor. no.9:51-53 S '61. (MIRA 14:8)
(Radar, Military--Maintenance and repair)

KITAYEV, A.M.; SOKOLOV, Yu.V.

The UM-3 testing machine. Av.prom. 26 no.8:93-94 Ag '57.
(MIRA 15:4)

(Fatigue testing machines)

S/903/62/000/000/003/044
B102/B234

AUTHORS: Turchin, V. F., Sokolov, Yu. V.

TITLE: The fundamental state of three-or four-particle systems

SOURCE: Yadernyye reaktsii pri malykh i srednikh energiakh; trudy Vtoroy Vsesoyuznoy konferentsii, iyul' 1960 g. Ed. by A. S. Davydov and others. Moscow, Izd-vo AN SSSR, 1962, 38-43

TEXT: The authors consider a quantum system of n identical spinless particles of mass m and pair interaction potential $V(r) = kr^2/2$, and determine the function $f(r)$ for the wave function $\Psi = \prod_{i < k} f(r_{ik})$. For this potential

$f(r) = e^{-\frac{1}{2k} \sqrt{\frac{km}{n}} r}$, (4), and the ground state energy is given by

$E = \frac{3}{2} h \sqrt{\frac{k}{m}} \sqrt{n(n-1)}$. (5). By means of the substitution $f(r) = [y(r)]^{\frac{2}{n}}$,

(7) the equation used for determining the eigenvalues becomes

$$y'' + \frac{2}{r} y' + \frac{m}{h^2} \left[\frac{E}{n-1} - \frac{n}{2} V(r) \right] y = 0, \quad (8).$$

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B102/B234

The fundamental state of...

The smallest eigenvalue yields E_0 , called the energy in zeroth approximation.

The corresponding wave function will be $\Psi_0 = \prod_{i < k} [y(r_{ik})]^{\frac{1}{N}}$, (9). The

Schroedinger equation in this case will be $H\Psi_0 = E_0\Psi_0 + \phi$, ϕ being a function that vanishes on the diagonal $r_{ik} = r$, and

$$E - E_0 = \frac{\int \phi \Psi_0^* d\tau}{\int \Psi_0 \Psi_0^* d\tau}. \quad (11). \text{ For the so-called "fundamental energy" the rela-}$$

$$\text{tions } \Delta E_1 \equiv E_1 - E_0 = \frac{\int \phi \Psi_0^* d\tau}{\int |\Psi_0|^2 d\tau}. \quad (12) \text{ or } E_1 = \frac{\int \Psi_0^* H \Psi_0 d\tau}{\int |\Psi_0|^2 d\tau}. \quad (13) \text{ will hold.}$$

With the trial functions $\Psi = e^{-\alpha(r_{12}+r_{13})} e^{\beta r_{23}}$ (14) for He or helium-like

ions and $\Psi = e^{-\alpha(r_{12}+r_{13}+r_{23})}$ (15) for the system considered here in the

case of the attractive potential $V(r) = -e^2/r$, numerical calculations are carried out for He, Li^+ , Be^{2+} and the attractive system. This method may be used also for calculating binding energies of lightest nuclei which is

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The fundamental state of...

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B102/B234

demonstrated for tritium and α -particles. There are 1 figure and 2 tables.

ASSOCIATION: Fiziko-energeticheskiy institut Gosudarstvennogo Komiteta
Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii
(Physics and Power Engineering Institute of the State Committee
of the Council of Ministers of the USSR of Utilization of
Atomic Energy)

Card 3/3

89665

1 2300

3/135/61/000/003/001/014
A006/A001

Author: Sokolov, Yu. V., Engineer, Shorshorov, M. Kn., Candidate of Technical Sciences

Title: Modifying Halide Fluxes for Welding Nickel Alloys

Periodical: Svarochnoye proizvodstvo, 1961, No. 3, pp. 1-5

TEXT: Fused halide fluxes, composed of fluorine and chlorine salts of alkali and alkali earth metals, are used in automatic welding of heat-resistant nickel alloys and austenitic steels. To improve the technological properties of these fluxes, the laboratory of the theory of welding processes at the Institute of Metallurgy, Leningrad, AS USSR, was developing during 1957-59 fused halide fluxes assuring higher crack and heat resistance of the weld metal, due to a 90 - 100% transition of the alloying element into the base metal. An investigation of binary and ternary systems of fluorine and chlorine salts showed that for welding Ni-alloys best technological properties are offered by the CaF_2 - BaCl_2 binary system. To raise the resistance of welds to hot cracks, small amounts of active modifying elements, such as Na and Sr, in the form of NaF and SrF_2 fluorine salts were added to the slag. According to V. K. Semenchenko's theory

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Modifying Halide Fluxes for Welding Nickel Alloys

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A006/A001

Ref. 3, modification of metals and alloys is considered as an increase of their dispersity under the effect of negligible amounts of surface-active substances having a lower generalized moment than the solvent metal. Generalized moments of alloying elements, contained in the nickel alloys and fluxes were calculated. (Figure 1) Their comparison shows that the flux components are surface-active in respect to the components of the heat resistant nickel alloys. It is assumed that ion-exchange reactions proceed on the liquid phase-flux interface between the most active elements: the flux and the metal of the drops, the flux and the welding pool. Thermodynamical calculations of these reactions show the possibility of their occurrence, and prove together with chemical analyses that some modifiers may transfer from the flux into the seam metal. The effect of modification on crack resistance was studied by the IMET-2 method (Ref. 8). The authors chose as a criterion, the value of the critical tensile deformation speed (V_{cr} mm/min) of the weld metal during crystallization when the hot crack begins to form. Hot crack resistance of the weld metal was tested by building up in a composite copper mold (Fig. 4, using ЭИ437 (EI437) and ЭИ868 (EI868) electrodes (composition see table 1); 390 - 400 amps d-c of reverse polarity; 30 - 32 v arc voltage and 125 - 160 mm/min welding speed. The tests were made with standard fluxes AH-26 (AN-26) and AH-5 (AN-5) and experimental fluxes of the ИМЭТФ (IMETF) type which were manufactured by alloying CaF_2 , BaCl_2 , NaF and SrF_2 in a 1kg-Cara 2//

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crucible in a high-frequency furnace. Results showing the effect of the flux on crack sensitivity of the weld metal are given in Figure 5. The chemical analysis of metals built-up with standard and experimental fluxes is given in Table 3. It was found that the acicular crystal structure of the metal built up with EI437 wire under AN-26 flux showed a lower resistance to crack formation; this is explained by the correlation between the extent of crystal boundaries and the ductility of the metal in the brittle temperature range during crystallization. It is beyond any doubt that cracks are forming as a result of intercrystalline failure. As to the formation of cracks in single-phase nickel alloys and pure austenitic steels there are 2 different opinions: 1) the cracks are developing along the initial crystallites 2) the cracks are connected with the appearance of polygonization of the cast structure, causing the formation of new boundaries which represent accumulations of submicroscopic defects of the crystal lattice. On the basis of the data obtained, the authors support the latter point of view. The tests performed lead to the following conclusions: In welding nickel alloys, modifying fused halide fluxes are chemically active in respect to the welding pool. It is shown that the NaF content of these fluxes should be reduced in order to increase Al and Ti transition from the electrode wire to the weld metal and in order to raise its heat resistance. The modifying effect of Na and Sr, contained

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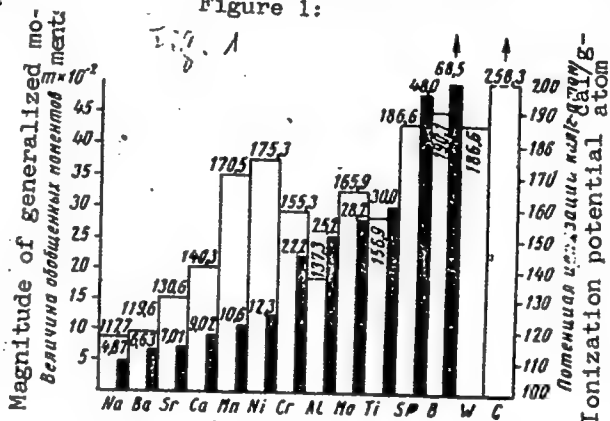
S/135/61/000/003/001/014
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in halide fluxes, is ensured by a low content of fluorine salts (3 - 5%) (IMTF type flux). The resistance to cracks of the weld metal at a low content of fluorine salts is not less than at a higher content of NaF (ANF-5 flux). The joint effect of modifiers (Na and Sr) and the alloying of built-up metal with tungsten, increases the resistance to hot cracks of nickel alloys during welding process. It is confirmed that hot crack resistance can be raised by eliminating polygonization by alloying the weld joints with tungsten. The authors recommend IMETF-71, IMETF-27 and IMETF-4 fluxes for welding with EI437 and EI868 electrodes.

Figure 1:

Figure 1:

Generalized moments and ionization potentials of elements contained in nickel alloys and modifying fused halide fluxes.



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A006/A001

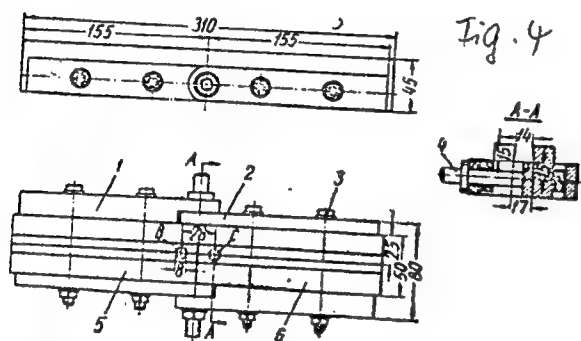
Figure 4:

A composite copper mold for the testing of built-up metal and the determination of hot crack resistance on the IMET-2 machine

Figure 5:

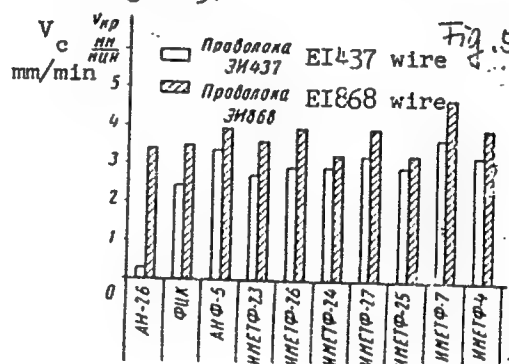
The effect of flux on hot crack resistance of metals built-up with EI437 and EI868 electrodes

Figure 4:



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Figure 5:



Modifying Halide Fluxes for Welding Nickel Alloys

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Table 2:

Chemical composition of EI437 and EI868 electrode wires.

| Wire grade | Chemical composition in weight % | | | | | | | | |
|----------------|----------------------------------|------|------|------|------|------|------|-------|------|
| | Ni | Cr | Ti | Al | Mn | Si | C | W | Mo |
| 31437 (EI 437) | base | 20.6 | 2.63 | 0.74 | 0.23 | 0.39 | 0.05 | - | - |
| 31868 (EI 868) | base | 24.6 | 0.42 | 0.17 | 0.28 | 0.31 | 0.08 | 15.25 | 1.00 |

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Modifying Halide Fluxes for Welding Nickel Alloys

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A006/A001

Table 3:

Chemical analysis of metals built-up under standard and experimental fluxes.

| Grade | Марка | Chemical composition | | | Химич. состав | | in weight % | | | percentage of trans- | | |
|--------------|-----------|----------------------|------|------|---------------|------|-------------|-------|------|----------------------|------|----|
| Flux | проволока | Cr | Ti | Al | Si | Mn | C | W | Mo | Ti | Al | W |
| АИ-26 | ЭИ437 | 20,1 | 0,7 | 0,45 | 2,03 | 1,05 | 0,05 | — | — | 26,6 | 60,8 | — |
| | ЭИ868 | 22,76 | 0,15 | 0,14 | 1,03 | 0,21 | 0,056 | 8,43 | 0,5 | 35,7 | 82,5 | 55 |
| АИФ-5 | ЭИ437 | 21,06 | 1,65 | 0,5 | 0,4 | 0,45 | 0,018 | — | — | 60,0 | 67,6 | — |
| | ЭИ868 | 23,22 | 0,33 | 0,12 | 0,31 | 0,32 | 0,078 | 9,27 | 1,25 | 78,5 | 70,0 | 60 |
| ИМЕТФ-(4-27) | ЭИ437 | 20,4 | 2,62 | 0,6 | 0,41 | 0,19 | 0,05 | — | — | 100 | 81,2 | — |
| | ЭИ868 | 24,02 | 0,44 | 0,18 | 0,32 | 0,24 | 0,048 | 13,55 | 1,25 | 100 | 100 | 89 |

There are 3 tables, 9 figures, and 13 Soviet references.

ASSOCIATION: Institut metallurgii imeni A. A. Baykova AN SSSR (Institute of Metallurgy imeni A. A. Baykov, AS USSR)

Card 7/7

S/135/62/000/004/005/016
AC06/A101

18.18.18

AUTHORS: Shorshorov, M. Kh., Candidate of Technical Sciences, Sokolov, Yu. V.,
Engineer

TITLE: The temperature range of hot crack formation in flash welding of
single-phase nickel alloys

PERIODICAL: Svarochnoye proizvodstvo, no. 4, 1962, 9-11

TEXT: The temperature range of hot crack formation in the weld metal of
nickel alloy X25460E15 (EI868) [Kh25N60V15 (EI868)] was determined on a HMT-2
(IMET-2) machine from the critical deformation rate of the crystallizing metal.
Submerged-arc building-up was performed with 3 mm diameter EI868 wire and
HMT-27 (IMET-27) flux in a dismountable copper mold mounted on the machine
punch. On the mold bottom five pieces of the same wire were placed. Its design
assured deformation of the root layer of the built-up metal along the bead axis
on 20 mm basis. Building-up was made with a AQC-1000-2 (ADS-1000-2) automatic
machine, 380 - 400 amps current, 30 - 32 v arc voltage, 160 mm/min welding speed,
50 - 55 mm long welding pool. Deformation speed changed from 3.6 to 34 mm/min
and the deformation time was varied, so as to determine the arising of a crack

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A006/A101

The temperature range of hot crack formation ...

in the lower layers of the bead over the section of the mold joint. Final deformations of the bead were measured from the magnitude of the gap formed between the mold halves in the section of its joint at the level of the lower bead layers; they were compared with data from calculations of the speed and time of deformation. Two tungsten-rhenium thermocouples were placed in an aperture at the mold bottom. The results obtained are represented in graphs. It was established that hot cracks in the welds of a single-phase nickel alloy EI868 (Kh25N60V15) arose within a temperature range, from the solidus to 1000-950 °C, in which the development of the polygonization process was most probable. A dip of ductility was observed in this temperature range. Least ductility occurs between the solidus and 1,200°C and amounts to 0.5 - 0.6%. Hot cracks arise along the polygonization boundaries. When analyzing the ductility of alloys in the brittle temperature range, as one of the characteristics determining the technological strength reserve, both the absolute ductility value and the nature of its changes should be taken into account. There are 4 figures and 14 references: 13 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Institut metallurgii imeni A. A. Baykova (Institute of Metallurgy
imeni A. A. Baykov)

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S/135/62/000/004/006/016/
A006/A101

18-1130

AUTHORS:

Shorshorov, M. Kh., Candidate of Technical Sciences, Sokolov, Yu. V.,
Engineer, Russiyan, A. V., Candidate of Technical Sciences, Matsnev,
E. P., Engineer, Kurkina, N. I., Candidate of Technical Sciences

TITLE:

The effect of the composition and structure of chrome-nickel steels
and alloys on hot crack formation in the weld-adjacent zone

PERIODICAL: Svarochnoye proizvodstvo, no. 4, 1962, 12-17

TEXT:

The authors studied the effect of some alloying elements, such as boron, aluminum, titanium, carbon and others, and also of the initial state of various steels and alloys on changes in their ductility and strength under thermal cycle conditions of the weld-adjacent zone in welding. The investigation was carried out by the IMET-1 (IMET-1) method described in references 6 and 7. The results of the investigation are given in a table which contains also data on martensite, austenite-martensite and austenite-ferrite steel for comparison with chrome-nickel austenite steels and nickel alloys. The following conclusions are drawn. The proneness of alloys with similar alloying systems, to hot crack formation can be comparatively evaluated from the temperature when ductility and

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A006/A101

The effect of the composition ...

strength, determined in impact tension under conditions of the thermal welding cycle, are beginning to be recovered. Chrome-nickel austenite steels are more prone to hot crack formation in the weld-adjacent zone than austenite-ferrite, austenite-martensite and martensite steels. Cracking sensitivity of austenite steels increases with a higher nickel content. Proneness to hot cracks in the weld-adjacent zone of chrome-nickel austenite steels and nickel alloys increases with a higher content of boron, aluminum, titanium and carbon. However, in nickel alloys, the negative effect of boron is very marked at a higher content ($> 0.01 - 0.02\%$) than in austenite steels ($\sim 0.005 - 0.007\%$). Proneness to hot cracks in the weld-adjacent zone of austenite steels and nickel alloys can be reduced by refining the base metal with the aid of electric slag remelting or vacuum melting, grain refining, and increasing the quenching temperature within the limits of a permissible grain size. All these methods reduce segregation of alloying elements and harmful impurities at the grain boundaries: the former, indirectly, by reducing the total amount of impurities in the alloy and by their more uniform distribution; the latter two, directly, by reducing the concentration of elements and impurities at the boundaries. The study was carried out with the participation of Engineer V. V. Belov, and Candidate of Technical Sciences V. S. Sedykh from the Institute of Metallurgy imeni A. A.

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The effect of the composition ...

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AC06/A101

Baykov and Engineer Yu. P. Glukhov. The authors thank Candidate of Technical Sciences V. N. Zemzin from the TsKTI imeni I. I. Polzunova, for his assistance. There are 5 figures, 1 table and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATIONS: Institut metallurgii imeni A. A. Baykova (Institute of Metallurgy imeni A. A. Baykov) (Shorshorov and Sokolov); TsNIICHM imeni I. P. Bardin (Russiyan and Matsev)

Card 3/3

X

SHORSHOROV, M.Kh.; SOKOLOV, Yu.V.

Metallurgical means of preventing hot cracks during the electric
welding under flux of heat-resistant nickel alloys. Issl. po
zharopr. splav. 9:232-238 '62. (MIRA 16:6)
(Heat-resistant alloys—Welding) (Flux (Metallurgy))

SOKOLOV, Yu.V., kand.tekhn.nauk; SHORSHOROV, M.Kh., kand.tekhn.nauk

Effect of the composition of halide fluxes on the properties of
welded joints in chromium-nickel alloys. Svar. proizv. no.3:1-4
Mr '63. (MIRA 16:3)

1. Institut metallurgii im. A.A.Baykova.
(Chromium-nickel alloys--Welding)
(Flux (Metallurgy))

ACCESSION NR: AP4027983

S/0205/64/004/002/0289/0296

AUTHOR: Korogodin, V. I.; Kabakova, N. M.; Perestoronina, N. N.; Sokolov, Yu. V.; Kholeva, S. Ya.

TITLE: Possible effect of irradiated yeast cell lysis on regeneration curves

SOURCE: Radiobiologiya, v. 4, no. 2, 1964, 289-296

TOPIC TAGS: irradiated yeast cell, lysis effect, regeneration curve, macrocolony method, microcolony method, regeneration curve shape, Sacch. vini Megri, Sacch. cerivisiae, radiation damage irreversible component

ABSTRACT: The possible effect of lysis of irradiated yeast cells, incubated in a nonnutritive medium, on the dynamics of their postradiation regeneration is analyzed theoretically and experimentally. It is demonstrated that a comparison of regeneration curves, determined by macro- and microcolony methods, can determine essentially whether lysis of yeast cells affects the curves and which type of lysis is dominant in the irradiated population - an equiprobable lysis of any irradiated cell or a predominating lysis of nonlethally damaged cells

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ACCESSION NR: AP4027983

or, on the contrary, of lethally damaged cells. Experimental data demonstrate that lysis of Sacch. vini Megri-139-B yeast and Sacch. cerevisiae 16 x 32 yeast practically do not affect the shapes of regeneration curves with 8 to 9 day incubation after irradiation in sterile water at 30°C. Under these conditions lyses of the two cell strains are insignificant or completely absent. However, lyses of Sacch. cerevisiae, X-320 and X-362 yeast cells markedly affect the shapes of the regeneration curves, mostly the nonlethally damaged cells. The true cell regeneration process of these two strains is best reflected by curves based on the microcolony method. Regeneration curve plateaus for all investigated yeast strains are dependent on the existence of a true radiation damage irreversible component, and not on lysis participation. Orig. art. has: 9 formulas and 3 figures.

ASSOCIATION: Institut meditsinskoy radiologii AMN SSSR, Obninsk
(Medical Radiology Institute AMN SSSR)

SUBMITTED: 01Nov63

ENCL: 00

SUB CODE: LS

NR REF SOV: 005

OTHER: 000

Card 2/2

LEVOCHKIN, F.K.; SOKOLOV, Yu.Ya.

Change in the activity of the fission products of U^{235} and Pu^{239} with
time. Atom.energ. 10 no.4:403-404 Ap '61. (MIPA 14:4)
(Fission products—Decay) (Uranium—Isotopes) (Plutonium)

32007
S/089/62/012/001/010/019
B102/B138

24.6400

AUTHORS: Levochkin, F. K., Sokolov, Yu. Ya.

TITLE: Angular distribution of β -radiation from thick sources

PERIODICAL: Atomnaya energiya, v. 12, no. 1, 1962, 53-54

TEXT: The method of thick sources is widely used for determining specific activity, to which the β -yield is proportional for emitters whose thickness exceeds the β -particle range. The angular distribution of the β -radiation must be known. It was investigated by measuring the absorption and scattering of β -particles from a point source in an absorber. The source was placed between a thick backing and foils of different thicknesses. The absorbers (backing and foil) were made of Al, Cu, Zn and Pb. Measurements were made at a relative solid angle of $\omega = 4.7 \cdot 10^{-4}$ in a vacuum chamber, by means of an end-window counter type T-25 5ФЛ (T-25 BFL). Backing and foils were mounted on a rotary frame on the axis of which was the point source. Not more than 1.5 % of the scattered radiation hit the counter window. From the β -flux $N_{\theta}(t)$ thus measured the β -yield n_{θ} from the surface of a thick source was calculated by graphical integration of

Card 1/2

SOKOLOV, Yu.Ya., inzh.

Calculation of processes in free-piston gas generators by means
of a Ural-1 electronic computer. Sudostroenie 30 no.11:42-44
N '64. (MIRA 18:3)

SOKOLOV, Yu.Ye.

Miniature copper resistance thermometer with an unbalanced bridge.
Izm.tekh. no.2:29-30 F '62. (MIRA 15:2)
(Thermometers)

LEVOCHKIN, F.K.; SOKOLOV, Yu.Ya.

Dependence of the β -ray backscattering factor and β -particle
yield from a thick-layered source on the atomic number of
the substance. Atom. energ. 15 no.6:506-508 D '63.
(MIRA 17:1)

SOKOLOV, Z.

Democratism of Soviet trade unions. Sov.profsoiuzy 2 no.5:28-39 My '54.
(MLRA 7:6)

(Trade unions)

SOKOLOV, Z.

Master the Lenin style of work. Sov. profsoiuzy 3 no.6:19-
25 Je '55. (MIRA 8:8)

(Efficiency, Industrial)

Concerning Calculation of Gas Temperatures in the Ends of Pulverized-Coal Combustion Chambers. (In Russian.) R. M. Sokolov, *Koloturbostroenie* (Bull. Turbine Manufacture), Aug. 1947, p. 26-27.

Attempts to show that commonly used methods are inaccurate. Proposes a new method which more closely correlates experimental results with theoretical concepts. Gives data for some Russian coals.

1A 24T23

SOKOLOV, B. I.

USSR/Engineering
Furnaces, Coal
Fuels, Pulverized

Aug 1947

"The Selection of the Most Probable Temperatures
from the Various Computed Gas Temperatures in a Pul-
verized Coal Furnace," B. M. Sokolov, Engr, OZGRES,
2 pp

"Kotloturbostroyeniye" No 4

A discussion on the lack of foundation for the exist-
ing norms for selecting the calculated and tempera-
tures in pulverized coal furnaces. Other methods
for selecting these temperatures based on practical
conditions are suggested.

24T23

SOKOLOV, B. M.

PA 55/49T45

USSR/Engineering
Boiler
Slag

Apr 49

"Some Results of the Work of "ORGRES" in Liquid
Slag Removal," B. M. Sokolov, Eng'r, 8 pp

"Elek Stants", No 4

Due to its high cost, liquid slag removal is popular only in US. ORGRES in 1937 worked on problem of simplifying this equipment. Article treats character of slag formation in fire chambers with liquid slag removal, and constructional features in slag-forming zones. Discusses Babcock-Wilcox "open-pass"

USSR/Engineering (Contd)

Apr 49

boiler. Tests were carried out with various coal types (Donbas, Kuzbas, Chelyabinsk, etc.).

55/49T45

S. M. IOV-ANDYCH, P. H., Engineer

Card Tech Sci

Dissertation: "Slagging Process in the Fire Boxes of Steam Boilers with
Liquid Slag Disposal."

5/6/50

Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov

80 Vecheryaya Moskva
Sum 71

YERMAKOV, V.S.; SPIRIN, S.A.; CHIZHOV, D.G.; UGORETS, I.I.; LAVRENNENKO, K.D.;
SMIRNOV, G.V.; CHUPRAKOV, N.M.; MKHITARYAN, S.G.; ASMOLOV, G.L.;
KOTILEVSKIY, A.M.; MOLOKANOV, S.I.; SYROMYATNIKOV, I.A.; FAYERMAN, S.Ts.;
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LIVSHITS, E.M.; NEKRASOV, A.M.

Moisei Vul'fovich Safro; obituary. Elek.sta. 24 no.11:60 N '53.

(MLRA 6:11)

(Safro, Moisei Vul'fovich, ?-1953)

YERMAKOV, V.S.; KLOCHKOV, I.M.; CHIZHOV, D.G.; KOGTEV, G.I.; LAVRENEH-
KO, K.D.; NEKRASOV, A.M.; SPIRIN, S.A.; VESELOV, N.D.; KOTILEVSKIY, D.G.;
SMIRNOV, G.V.; MARINOV, A.M.; MAKSIMOV, A.A.; IVANOV, M.I.; NEMOV, A.P.;
CHUPRAKOV, N.M.; AVTONOMOV, B.V.; SYROMYATNIKOV, I.A.; MOLOKANOV, S.I.;
FAERMAN, S.TS.; GORSHKOV, A.S.; GOL'DENBERG, P.S.; SOKOLOV, B.M.; MA-
KUSHKIN, Ya.G.; MKHITARYAN, S.G.; RASSADNIKOV, Ye.I.; GRUDINSKIY, P.G.;
POMICHEV, G.I.; SHCHERBININ, B.V.; ZAYTSEV, V.I.; KOKOREV, S.V.; KLYU-
SHIN, M.P.; PESCHANSKIY, V.I.; SAFRAZBEKIAN, G.S.; i dr...

IUrii Prokhorovich Komissarov; obituary. Elek.sta. 25 no.5:60 My '54.
(Komissarov, IUrii Prokhorovich, 1910-1954) (MIRA 7:6)

SOKOLOV-ANDRONOV, B. M., & MITTEIMAN, L., and Y. BUNKIN.

"Economic Trends in Production of Electricity and Heat by USSR Electric Utility Power Stations Burning Organic Fuel:

report presented at the 14th Sectional Meeting of the World Power Conference. Montreal, ~~Canada~~ Canada. 7-12 Sept 1958.

SOKOLOV-KOCHEGAROV, A.S.; KHASINA, G.I.; NEMKOV, G.I.

First find of Upper Senonian orbitoids in the Tajic Depression
and its stratigraphic importance. Izv.vys.ucheb.zav.; geol. i
razv. 5 no.9:138-140 S '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftyanykh i
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institut im. S.Ordzhonikidze.
(Tajic Depression--Foraminifera, Fossil)

SOKOLOV-MIKITOV, Ivan Sergeevich

SOKOLOV-MIKITOV, Ivan Sergeevich. ... Lenkoran'. Leningrad, Izd-vo pisatelei v
Leningrade, 1934. 155 p.

NN

DLC: Unclass.

SO: LC, Soviet Geography, Part II, 1951/U_nclassified.

SOLOVYOV-LEVIN, IVAN SERGEYEVICH

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v Leningrade (1934) 309 p.

IN

LC: LC, Soviet Geography, Part 1, 1951, Uncl.

ARHAR'KHINOV, IVAN SERGEYEVICH

SO SLOV-ARHINOV, IVAN SERGEYEVICH. ... Belye Beroga. Arkhar el'sk: Severnoe kraevoe
izdat., 1996. 228 p. NK DLG: Unclass.

SO: LG, Soviet Geography, Part I, 1951, Uncl.

SOLOLOV-MIKITOV, IVAN SERG^YEVICH

SOLOLOV-MIKITOV, IVAN SERG^YEVICH. Rasskazy o rodi¹ne. /Leningrad/ Sovetskii pisatel', 1947. 523 p.

Contents. -U sinego moria. -Po goram i lesam.
-Na protuzhdennoi zemle. -Belye berega. -Spa-
senie korablia. DLC: PG3476.S62R28

CU CtY MH MMC

SO: LC, Soviet Geography, Part I, 1951, Uncl.

SOKOLOV-MIKITOV, Ivan Sergeyevich; BOYARKINA, V., redaktor; MIKHAYLOVSKAYA, N.
tekhnicheskij redaktor

[The green land] Zelenyi krai. [Moskva] Izd-vo TsK VLKSM "Molodaia
gvardiia," 1956. 157 p. (MLRA 9:10)
(Russia, Southern--Description and travel)

SOKOLOV, -MIKITOV, I.

"Stranichka Proshlogo", Novy Mir. No. 1, 1965.

SOKOLOV-SKALIYA, P.P., narodnyy khudozhnik RSFSR

Departure from the truth of life. Rabotnitsa 37 no.8:23-24 Ag '59.
(MIRA 13:1)

1. Deystvitel'nyy chlen Akademii khudozhestv SSSR.
(Art, Abstract)

Subject : USSR/Aeronautics - Training

Card 1/1 Pub. 135 - 25/26 5146

Author : Sokolov-Sokolenok, L. N., Eng.-Maj., Candid. of techn. sci.

Title : Training of flying cadres in countries belonging to NATO

Periodical : Vest. vozd. flota, 10, 89-92, 0 1956

Abstract : The author, on the basis of foreign literature, describes the flying training of pilots in various NATO countries. Four photos, 1 diagram.

Institution : None

Submitted : No date

AUTHOR: Sokolov-Sokolenok, L. N., Candidate of Technical Sciences

85-58-4-10/36

TITLE: Aerobatics in the Yak-18A Aircraft (Vypolneniye figur pilotazha na samolete Yak-18A)

PERIODICAL: Kryl'ya rodiny, 1958, No 4, pp 7-8 (USSR)

ABSTRACT: The author refers to the shortcomings of the Yak-18, consisting in the relatively limited engine power of the M-11FR, which does not permit vertical aerobatics without loss of altitude and allows only spin acrobatics, and its inadequate rate of climb. These shortcomings were successfully eliminated on the Yak-18A, which differs only slightly in appearance from the Yak-18. The Yak-18A, provided with different equipment and power system, has no established spinning speed, improved performance characteristics, and far greater aerobatic maneuverability. It is hoped that the Yak-18A will improve the training of cadets and sportsmen. There are 3 tables, 2 figures and 1 photograph.

AVAILABLE: Library of Congress

1. Aviation

Card 1/1

SOV/86-58-8-31/37

AUTHOR: Sokolov-Sokolenok, L.N., Engr Lt Col, Candidate of
Technical Sciences

TITLE: For New Record Flights (Za novyye aviatsionnyye
rekordy)

PERIODICAL: Vestnik vozdushnogo flota, 1958, ⁴⁴Nr 8, p 82 (USSR)

ABSTRACT: The author states that the history of Soviet record
flights has proved that they **have** contributed greatly
to the development of aviation materiel. The designer
offices, in close cooperation with experimental and
research institutes, Air Force combat units, and DOSAAF
(Volunteer Society for Cooperation with the Army, Air
Force, and Fleet) should work more actively to achieve
new flight records, since every new success in avia-
tion adds to the strength of the Soviet Air Force.

Card 1/1

SOV/85-59-12-9/38

1(2)

AUTHOR:

Sokolov-Sokolenok, L.N.

TITLE:

The Yak-18A Ski Landing Gear

PERIODICAL:

Kryl'ya rodiny, 1959, Nr 12, p 9 (USSR)

ABSTRACT:

The author tells of the results of flight tests of the Yak-18A on fixed ski gear. A relatively small specific pressure of skis permits the aircraft to take off from and land on not only a rolled down snow surface, but on a deep, loose snow cover as well. Stability and maneuverability during taxiing are good. The application of the brake in one main ski makes it possible to turn the plane around almost on the spot. The take off run on dry, firm snow takes up 200-250 m. The landing run under similar conditions (without using the brakes) requires but 380-400 m. The application of brakes cuts this almost in half. The flying technique at take off and landing does not differ much

Card 1/2

CIA-RDP86-00513R001652110008

SOKOLOV-SOKOLENOK, L., kand. tekhn. nauk

Happy journey, "Pchelka!" Kryl. rod. 14 no.8:34-35 Ag '63.
(MIRA 16:8)

(Airplanes)

ПОДГОТОВИЛ: ПЕТРОВ, С ; СОКОЛОВ-СОКОЛЕНКО, Л., канд. техн. наук

"1-29". Крыл. род. 15 no.9:24-25 S '64.

(MIRA 18:1)

USSR/Medicine - Encephalitis, Epidemic Sep/Oct 48
Medicine - Nervous System, Diseases

"Outbreak of Epidemic Encephalitis of Obscure Etiology in Drogobych Oblast," N. I. Sokolov-Tayezhnyy, Neurol Dept, Drogobych Field Hosp, 5 $\frac{1}{2}$ pp

23/49TB9
"Neuropatol i Psikhlat" Vol XVII, No 5

In summer and autumn 1946 a number of cases of acute infection of central nervous system were observed in Drogobych Oblast. Diagnosed by author as epidemic encephalitis of obscure etiology. Presents results of preliminary investigation. Concludes that disease was not tick-borne

23/49TB9

USSR/Medicine - Encephalitis, Epidemic Sep/Oct 48
(Contd)

encephalitis. Clinical symptoms resembled mild attack of mosquito-borne (Japanese) encephalitis but not identical. Cases are undergoing further study. Submitted 20 Feb 48.

23/49TB9

SOKOLOVA, A.A.; BURMISTROVA, Ye.M.; YALYNAYA, P.I.; BRODYANSKAYA, Ye.I.;
SHIRYAYEVA, K.K.; LEONOVA, V.F.; KOTEL'NIKOVA, Z.V.

Treatment of pericementitis in one visit. Stomatologiya 39 no.1:
15-17 Ja-F '60. (MIRA 14:11)

1. Iz TSentral'noy polikliniki Ministerstva vnutrennikh del SSSR
(nachal'nik M.D. Kormilitsyn).
(GUMS--DISEASES)

ABLYAYEV, Sh.A.; STARODUBTSEV, S.V.; SOKOLOVA, A.A., red.

[Radiation effects on the surfaces of gels] Radiatsion-
nye efekty na poverkhnostiakh gelei. Tashkent, Izd-vo
"Nauka" Uzbekskoi SSR, 1964. 123 p. (MIRA 17:6)

SKAFICHOV, A.S.; GENERALOVA, V.V., kand. fiz.-mat. nauk, otv.
red.; SOKOLOVA, A.A., red.

[Radioactivity and dosimetric control] Radioaktivnost' i
dozimetricheskii kontrol'. Tashkent, Izd-vo "Nauka" Uzb.SSR
1964. 207 p. (MIRA 17:6)

STARODUBTSEV, S.V.; NIYAZOVA, O.R.; KIV, A.Ye.; SOKOLOVA, A.A.,
red.; GOR'KOVAYA, Z.P., tekhn. red.

[Radiation effects in cadmium sulfide] Radiatsionnye efekty v
sul'fide kadmiia. Tashkent, Izd-vo Akad. nauk UzSSR, 1963.
132 p. (MIRA 16:7)

(Cadmium sulfide) (Luminescence)